

WHAT IS CLAIMED IS:

1. A method for testing chip configuration settings, comprising the steps of:
 - providing a main board including a chip to be tested therein;
 - providing a BIOS program including a configuration test process therein;
 - starting power;
 - performing a power on self test;
 - loading said BIOS program; and
 - testing the configuration settings in a configuration space of said chip.
2. The method according to Claim 1, wherein said configuration test process included in said BIOS program comprising the steps of:
 - providing a test datum;
 - providing an expected result datum corresponding to said test datum;
 - inputting said test datum;
 - enabling a register corresponding to said chip configuration space depending on said test datum;
 - obtaining a result datum after operating of said chip; and
 - comparing said obtained result datum with said expected result datum.
3. The method according to Claim 2, further comprising a step of recording said comparison result.
4. The method according to Claim 3, further comprising a step of generating a difference report.
5. The method according to Claim 1, wherein said configuration test process included in said BIOS program comprising the steps of:
 - providing at least one sets of test data;
 - providing at least one sets of expected result data corresponding to said test data;
 - inputting said test data;
 - enabling a register corresponding to said chip configuration space depending on said test data;
 - obtaining corresponding result data after operating of said chip in accordance with said test data; and
 - comparing said obtained result data with said corresponding expected result data.
6. The method according to Claim 5, wherein said test data are implemented in the form of a data table list.
7. The method according to Claim 5, wherein said expected result data are implemented in the form of a data table list.
8. The method according to Claim 5, further comprising a step of recording said comparison results.

9. The method according to Claim 8, wherein said records of comparison results are implemented in the form of a data table list.
10. The method according to Claim 9, wherein each of said records of comparison results includes a result and difference obtained from said comparison.
11. The method according to Claim 5, further comprising a step of generating a test report.
12. The method according to Claim 10, further comprising a step of generating a difference report.